GOVERNMENT OF INDIA
POWER
LOK SABHA

UNSTARRED QUESTION NO:4450
ANSWERED ON:18.12.2000
USE OF FUELS FOR POWER GENERATION
RAMJI LAL SUMAN;SUSHIL KUMAR INDORA

Will the Minister of POWER be pleased to state:

(a) whether the Government have given permission for the use of different type of fuels for power generation in the country;

(b) if so, the details of fuels used at present in the country;

(c) whether the Government have estimated the cost of power generation using these fuels; and

(d) if so, the estimated cost of power generation and the annual power generated by using each of the above fuels in the country, project-wise;

Answer

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA)

(a): Yes, Sir.

(b): The various fuels allowed for power generation in the country are Coal, Lignite, Natural Gas, Naphtha, High Speed Diesel (HSD), Condensate, Heavy Fuel Oil,Liquified Natural Gas (LNG), Corex Gas, Orimulsion and other refinery residuesAs per the existing policy, the use of HSD as a primary fuel for power generation is allowed only as a special case.

(c) & (d): Based on the approval capital cost, tentative financial package, exchange rate and Government of India norms at the time of Techno-Economic Clearance (TEC)by Central Electricity Authority (CEA), the indicative levelised tariff (at 12% discountrate and 68.49 % Plant Load Factor) for the CEA cleared private sector power projects using different fuels is as under:-

i) Coal Based TPS Rs. 1.89/Kwh to Rs. 2.66/Kwh
ii) Lignite based Rs. 2.09/Kwh to Rs. 2.72/Kwh
iii) CCPP Rs. 1.98/Kwh to Rs. 3.91/Kwh
iv) Diesel Rs. 2.52/Kwh to Rs. 3.60/Kwh

Actual power generated by using the above fuels is enclosed at Annexure-I.

ANNEXURE-I

ANNEXUREREFERRED TO IN PARTS (c) & (d) OF THE UNSTARRED QUESTION NO.4450 TO BE ANSWERED IN THE LO SABHA ON 18.12.2000 REGARDING USE OF FUELS FOR POWER GENERATION

ENERGYWISE - PERFORMANCE STATUS ALL INDIA - FUELWISE PERIOD : APR-NOV.2000

STATES/SYSTEMS AND TYPE OFGENERATION GENERATION(GWH) (ACTUAL)

FUELWISE BREAKUP
THERMAL-COAL BASED

CENTRAL SECTOR 75458
STATE SECTOR 128056
PRIVATE UTILITY 8769

TOTAL COAL BASED 212283

MULTIFUEL FIRED

D?VARN 1-4 725
TROMBAY 5278

TOTAL MULTI FUEL FIRED 6003

LIGNITE BASED

KUTCH LIGN 629
SURAT IPP 791
NEYVELI 9414

TOTAL LIGNITE 10834

LIQUID FUEL/ GAS BASED GT/CCGT

NTPC

F?BAD CCGT 1360
ANTA GT 2012
AURIYA GT 3168
DADRI GT 3702
KAWAS GT 3117
GANDHAR GT 1560
KAYAMKULAM 1220
DVC

MAITHON GT 9

NEEPCO

KATHALGURI 783
AGARTALA G 221

SEB

D.V.B. GT 688
PAMPORE GT 0
RAMGARH GT 153
DHUVRAN GT 113
UTRAN 0
UTRAN GT 496
URAN GT 2255
VIJ?SWARAM 1266
B? BRIDGE 97
NARIMANAM 16
KARAIKAL G 162
W.BENGAL G 2
NAMRUP GT 306
LAKWAIKOBI 253
BARAMURA G 20
ROKHIA GT 141
PRIVATE

PVT. UTILITY

VATWA GT 336
TROMBAY GT 557
IPP
HAZIRA IMP 453
GIPCL I 476
GIPCL II 433
PAGUTHAN G 2136
DABHOL 2012
JEGURUPADU 1090
GODAVARI G 1040
KONDAPALLI 40
COCHIN CCGT 85
DLF ASSAM 81

TOTAL GT/CCGT 31859

DG SET

YELHANKA D 395
BELLARY DG 0
BRAMHAPURA 250
KOZHIKODE D 284
B?BRIDGE D 849

TOTAL DG 1778
STEAM TURBINE

D?VRAN 733
C?PUR (ASS) 0
STEAM TURB 733

TOTAL LIQUID FUEL & GAS BASED 34370